(12)

BRUHAT BANGLORE MAHANAGARA PALIKE

DASARAHALLI-ZONE

T.DASARAHALLI-SUB-DIVISION.

Name of Work :- Improvments to roads and drains at Soundarya Layout in Ward -14, Bagalagunte

Est.Cost: 40.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE

Name of Work: *Improvments to roads and drains at Soundarya Layout in Ward - 14, Bagalagunte*

			Est. Cost Rs				40.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in **Ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.138/I.19.1 PW, P & IWTD - SR 2014-15)	Cum							
	Desilting of drains		2	1000.00	0.45	0.40	360.00		
	for Deck		4	7.00	2.20	1.00	61.60		
							421.60	75.60	**31873.00**
	Basic Rate	70.00							
	Add Area Weightage 8%	5.60							
	Total	**75.60**							
2	**Cleaning the existing** black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous tratement including cost of all materials, labour, HOM of machineries complete as per specificationsEngineer-in-charge of the work (PWDSR 2014-15, P.No.157, I No.21.2) .	Sqm							
			1	1600.00	5.50		8800.00	3.02	**26611.00**
	Basic Rate	2.80							
	Add Area Weightage 8%	0.22							
	Total	**3.02**							
3	KSRB 5.2-2 Providing and constructing **granite / trap** / basalt rubble **stone masonry** in foundation with Cement mortar 1:8, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23/ Item No. 5.5/ PWD SR 2014-15	Cum							
	for Deck		4	7.00	0.60	0.45	7.56		
			4	7.00	0.45	0.60	7.56		
							15.12	3678.48	**55619.00**
	Basic Rate	3406.00							
	Add Area Weightage 8%	272.48							
	Total	**3678.48**							

4	KSRB 4-1.3: Providing and laying in position **plain cement** concrete of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2014-15)	Cum							
			4	7.00	2.20	0.15	9.24		
	Basic Rate	4488.00					**9.24**	4847.04	**44787.00**
	Add Area Weightage 8%	359.04							
	Total	**4847.04**							
5	KSRB 4-6.4 : Providing and removing **centering** shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (Page No.15, Item No. 4.31) PWD - SR 2014-15)	Sqm							
			4	7.00	1.20		33.60	287.26	**9652.00**
	Basic Rate	271.00							
	Add 6% A.W	16.26							
	TOTAL	287.26							
6	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix **M1:2:4 with** cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2014-15)	Cum							
			4	7.00	1.00	0.075	2.10		
			4	7.00	2.50	0.30	21.00		
	Basic Rate	4933.00					**23.10**	5228.98	**120789.00**
	Add Area Weightage 6%	295.98							
	Total	**5228.98**							
7	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. for TMT Bars Fe 500 Specification No.KBS 4.6.3 (Page No.17, Item No. 4.46.2) 2014-15	Tonn							
	100 Kg/ Cumx21		1	100.00	21.00		2.10	76900.88	**161492.00**
	Basic Rate	72548.00							
	Add 6% A.W	4352.88							

	TOTAL	76900.88							
8	KSRB 5-8.2: Providing **Two line dressing** to granite stone slab as per sepcification (P.24/I.5.18) PW, P & WTD - SR 2014-15)	**Sqm**							
			1	10.00	0.90		9.00	851.04	**7659.00**
	Basic Rate	788.00							
	Add Area Weightage 8%	63.04							
	Total	**851.04**							
9	KSRRB 500-9: Providing and applying tack coat on Granular base such as **WBM and WMM surfaces** hot bitumen primed at 10kg per 10sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all Materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 **Page No. 157/ Item No. 21.9/ PWD SR 2014-15**	Sqm							
			1	128.00	5.50		704.00	30.35	**21366.00**
	Basic Rate	28.10							
	Area Weightage 8%	2.25							
	Total	**30.35**							
10	Providing, laying, spreading and compacting graded stone aggregates to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2014-15, P.No.154, I No.20.18)	Cum							
	Roads		1	128.00	5.50	0.25	176.00	1438.56	**253187.00**
	Basic Rate	1332.00							
	Add Area Weightage 8%	106.56							
	Total	**1438.56**							
11	Providing and laying **semi dense bituminous concrete** 25 - 30mm compacted thickness with 5% bitumen with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled vibratory and ttandem rollers to achieve the desired compaction as per MoRTH specification clause No. 508 complete in all respects with 80 / 100 grade bitumen with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2014-15, P.No.159, I No. 21.20.2)	Cum							
			1	128.00	5.50	0.03	21.12		
			1	1600.00	5.50	0.03	264.00		
	Basic Rate	9122.00					285.12	9851.76	**2808934.00**
	Add Area Weightage 8%	729.76							
	Total	**9851.76**							

12	Carraige of Mixed Materials above 15 Km beyound 10Km to 15 Kmslead at P-168, d 15x~~4.90~~=~~73.50~~ 4.50=67.50	Qty vide Item No16						285.12	73.50	20956.00
									67.50	19246.00
13	Dispos of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and	Cum								
			Qty Vide Item No. 1					421.60	78.24	32986.00
	Loading and Unloading Charges	62.20								
	Lead 4 KMs 2x1.28x4	10.24								
		72.44								~~5799.00~~ ~~4989.00~~
	Area Weightage @ 8%	5.80								
	Total	**78.24**								
14	KRIDL & Quality control Test Charges 11%									400000.00
15	Miscellaneous and UnforessenCharges									4089.00
									Total	4000000.00

(Rupees. Forty Lakhs Only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary

2 The Estimate is prepared as per the PW,P & IWTD -SR-2014-15

3 The Provision made in estimate are adequate and essential.

4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

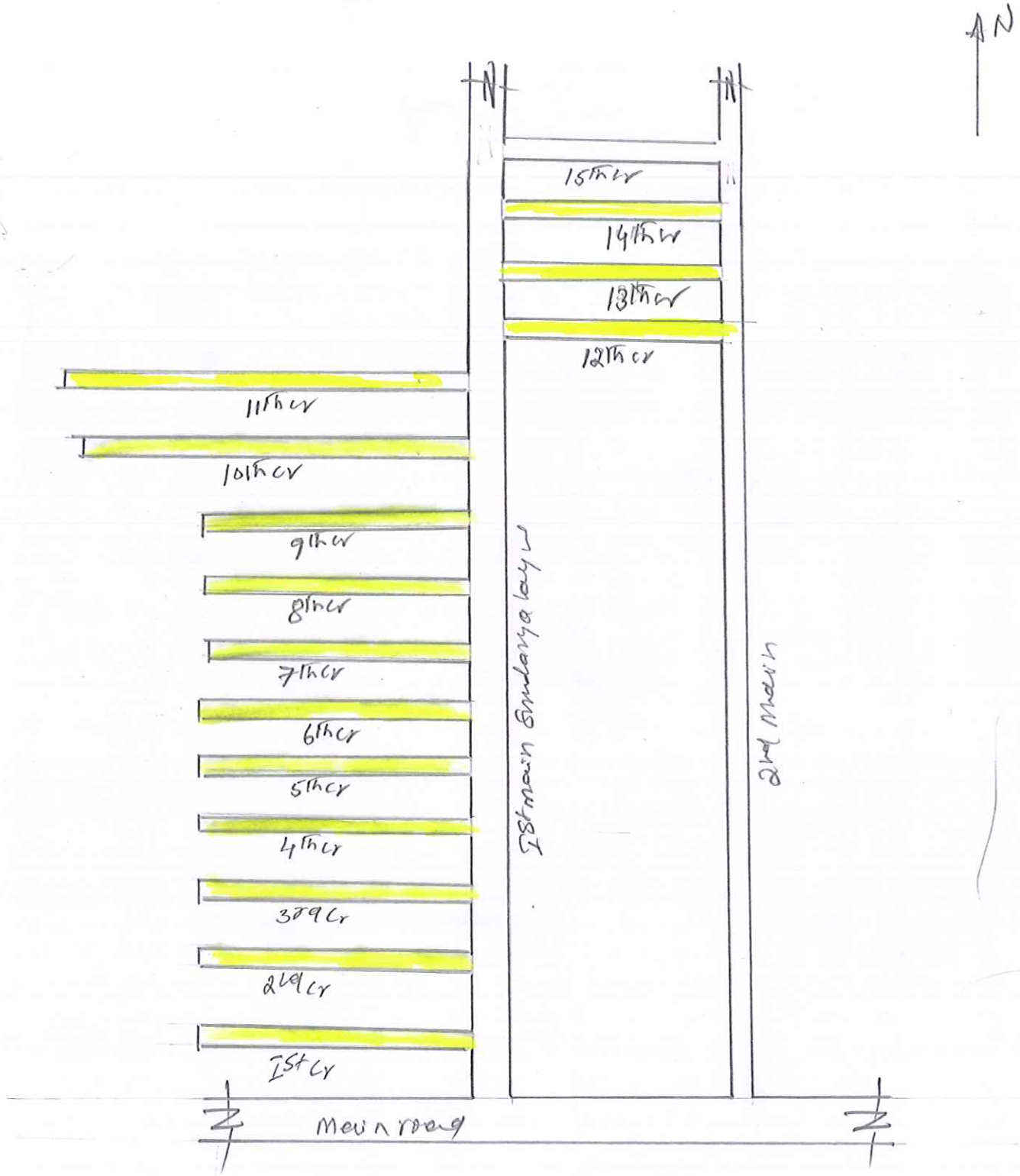
Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

A/S
ನಂ. AC(DH)AS 66/14-15 ದಿನಾಂಕ : 21/01/2015
ರೂ. 40.00 Lakhs (Rupees Forty Lakhs Only)
Page No 29
Sl. No. 66

ನಂ. CE/DZ/TS/92/14-15 Pg 79 ದಿನಾಂಕ : 04/02/2015
ರೂ. 4000000/- (ನಾಲ್ಕು ಮಿಲಿಯನ್ ಲಕ್ಷ)
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Name of work :- Improvements to roads and drains of Gundanyalayout in ward no 19



ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್
ಜಿ. ಪಾಲಿಕೆಯ ಆಡಳಿತ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಶಾಂತಲಾನಗರ, ಬೆಂಗಳೂರು - 560 027